

# DURSILITE PLUS

Internal wall paint for the hygiene of walls.  
Washable and transparent. Resistant to mould



## WHERE TO USE

Painting all types of new, old and painted internal surfaces to provide mould resistant substrates, combined with an attractive, smooth, matt finish with low dirt retention and high white balance.

Protecting and decorating cementitious, lime or gypsum-based substrates to form a vapour-permeable, washable finish resistant to the growth of mould.

Painting internal areas where mould is present such as bathrooms, kitchens, cold or poorly-ventilated walls and damp rooms or areas favourable for the formation of mould.

### Some application examples

- Painting all types of internal walls and new, well-cured or old cementitious, lime or gypsum-based render or skimming mortar, as long as they are well-adhered to the substrate and have no flaking or crumbling areas.
- Painting rooms in private homes such as bathrooms, kitchens, sitting rooms, bedrooms, corridors and basements or in public or industrial areas, stairwells, service rooms and garages.
- Painting old and new cementitious surfaces, including those already painted, such as stairwells, pillars and ceilings below covered areas and internal flat roofs and parapets on terraces.

## TECHNICAL CHARACTERISTICS

**Dursilite Plus** is a water-based wall paint for internal surfaces with good hiding power properties, high white balance and a matt finish made from modified acrylic resins in water dispersion and selected fillers.

When applied on internal surfaces, **Dursilite Plus** adheres perfectly to all types of masonry, render, smoothing and levelling compounds and old paintwork, as long as they are well attached and cohesive.

**Dursilite Plus** protects the substrate and gives it a highly attractive, uniform matt finish which is smooth to the touch.

**Dursilite Plus** contains an anti-mould agent.

**Dursilite Plus** used in combination with **Silancolor Primer Plus** and, where necessary, with **Silancolor Cleaner Plus**, forms a complete, efficient protective system for surfaces against mould.

**Dursilite Plus** is available in a wide range of colours, created using the **ColorMap®** automatic colouring system.

## APPLICATION PROCEDURE

### Preparation of the substrate

Surfaces must be well cured, perfectly clean, cohesive and dry.

Remove all traces of oil and grease from the surface and any areas which are not well bonded.

Remove all traces of mould if present. Remove mould from surfaces while they are still damp and thoroughly clean them with **Silancolor Cleaner Plus**.

Apply **Silancolor Cleaner Plus** over the surface of the substrate with a low-pressure manual sprayer or by brush, making sure it penetrates deep down into the substrate, and wait a few minutes while it reacts. Remove the mould with a stiff brush. Repeat this operation several times if necessary one after the other, making sure **Silancolor Cleaner Plus** penetrates deep down into the substrate.

Seal all cracks and repair any damaged or deteriorated areas.

Seal surface pores and level off uneven areas on the substrate with mortar and smoothing compound from the MAPEI Building Products line.

On well-cured and dry surface apply **Silancolor Primer Plus** or **Malech** or **Dursilite Base Coat**.

Dilute **Silancolor Primer Plus** and **Malech** with water according to the type of substrate (cementitious, gypsum or lime based), in order to avoid the forming of a glassy film on the wall surface; as a general rule, dilute the products as follow: for more absorbent substrates **Malech**/water in a ratio of 1/1 and **Silancolor Primer Plus** as it is, not diluted; for less absorbent substrates **Malech**/water in a ratio of 1/2 and **Silancolor Primer Plus** in a ratio of 1/1.

Apply **Dursilite Base Coat** white or coloured in a shade similar to the final colour, particularly in case of bright colours that normally have poor covering properties (such as bright red, yellow or green).

Wait until the chosen primer is completely dry (6-12 hours) and apply **Dursilite Plus**.

### Preparation of the product

Dilute **Dursilite Plus** with 15%-20% of water, making sure it is thoroughly blended. Use a drill at low speed for blending if necessary. When preparing only partial quantities, we recommend mixing **Dursilite Plus** as it is in its original container before pouring off the quantity required.

### Application of the product

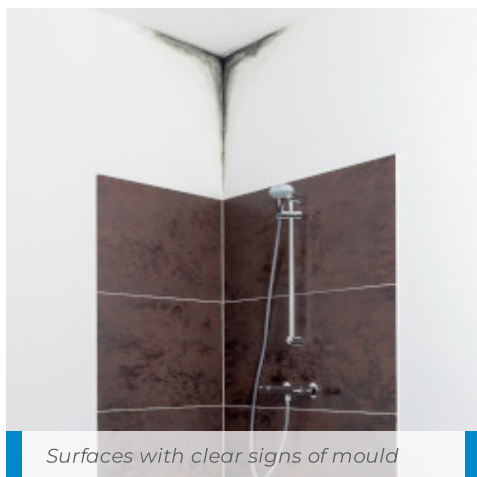
Apply **Dursilite Plus** with a brush, roller or by spray over the dry primer.

The cycle comprises the application of at least two coats of **Dursilite Plus** at a distance of 6-12 hours between each coat, depending on humidity and temperature conditions, ensuring the previous layer is completely dry.

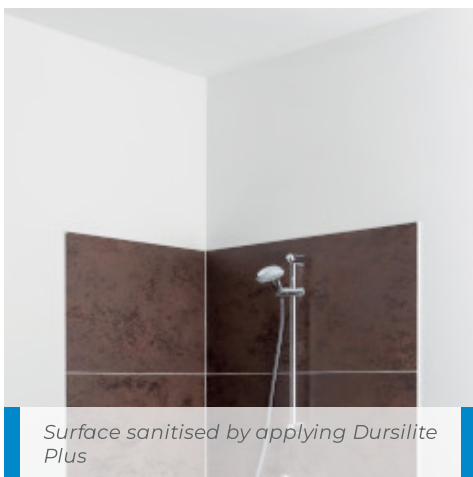
For particularly "clean", bright colours (such as red, yellow, orange or green), a third coat may be required over the two coats normally applied.

## PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

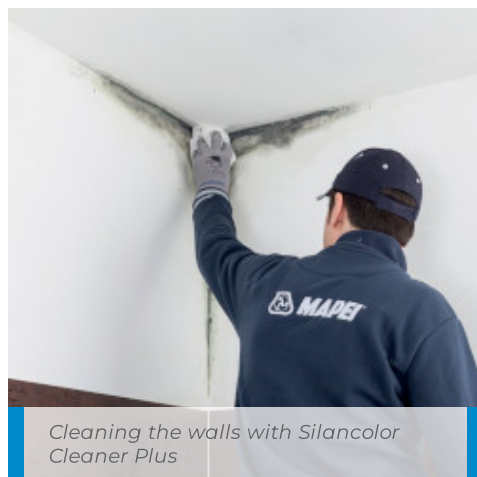
- Do not apply at temperatures lower than +5°C.
- Do not apply if the level of humidity is higher than 85%.
- Do not apply on external surfaces exposed to rain or direct sunlight.
- Do not apply on damp substrates or on substrates that are not well cured.



Surfaces with clear signs of mould



Surface sanitised by applying Dursilite Plus



Cleaning the walls with Silancolor Cleaner Plus



Application of the primer (use preferably Silancolor Primer Plus)



Application of Dursilite Plus



Application of Dursilite Plus with a roller

## CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate, the colour applied and the tools used for applications. Under normal conditions consumption is 0.3-0.4 kg/m<sup>2</sup> (for two coats of product).

## PACKAGING

Dursilite Plus is supplied in 5 kg and 20 kg plastic drums.

## STORAGE

24 months if stored in a dry place away from sources of heat at a temperature of +5°C to +30°C. Protect from frost.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website [www.mapei.com](http://www.mapei.com).

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	thick liquid
Colour:	white, from the MAPEI colour chart range or in various colours obtained using the <b>ColorMap</b> <sup>®</sup> automatic colouring system
Density (EN ISO 2811-1) (g/cm <sup>3</sup> ):	approx. 1.60
Dry solids content (EN ISO 3251) (%):	approx. 65
APPLICATION DATA	
Dilution rate:	15-20% of water
Recoat time:	6-12 hours, according to humidity and temperature and, in any case, when the previous coat is completely dry
Application temperature:	+5°C to +35°C
Consumption (kg/m <sup>2</sup> ):	0.3-0.4 (in 2 coats)
FINAL PERFORMANCE	
VOC emissions in an environmental simulation chamber after 28 days, white (ISO 16000) (mg/m <sup>3</sup> ):	< 0.2
VOC content of ready-mixed product, white (European Directive 2004/42/EC) (g/l):	≤ 10
VOC content of ready-mixed product coloured (European Directive 2004/42/EC) (g/l):	≤ 25
Vapour diffusion resistance coefficient (EN ISO 7783) (μ):	30

Resistance to the passage of vapour of a 0.15 mm thick dry coat S <sub>D</sub> (EN ISO 7783) (m):	0.0045
CLASSIFICATION ACCORDING TO EN 13300	
Hiding power with yield of 10 m <sup>2</sup> /l EN ISO 6504-3:	> 98% class 2
Wet-scrub resistance (200 cycles) EN ISO 11998:	18 micron class 2
Gloss value at 85° EN ISO 2813:	3.4 highly matt
Maximum particle size EN 21524:	< 100 micron fine
RESISTANCE TO BIOLOGICAL ATTACK (P.R.A. test report)	
Resistance after 28 days to mould and fungi (EN 15457):	no growth

## WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)**

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